

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D117-762 REV. F OR LATER APPROVED REVISION AND  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D117-762 REV. 5 OR LATER APPROVED REVISION

REF. FAA STC: SR01853SE

REF. TCCA STC: LOA RDIMS-4374899

REF. EASA STC: 10017063

REF. DGAC MEXICO STC: IA-376/2016

## 1.0 PURPOSE

Customers have reported progressive rotation of the DART D117-762-011 Skidtube Installation.

D117-762-011 Skidtube Installation @ CHG 006 or later includes a D5677-1 Pin that may be installed to prevent rotation. The DSI 9857-011 Anti-Rotation Kit is available for customers with D117-762-011 Skidtube Installations @ CHG 005 and earlier.

## 2.0 INSTALLATION OF D117-762-011 AT CHG 006 OR LATER

During installation of the D117-762-011 Skidtube Installation, perform the following after Step 3.1.2 of IIN-D117-762 or Step 32.2.3 of ICA-D117-762:

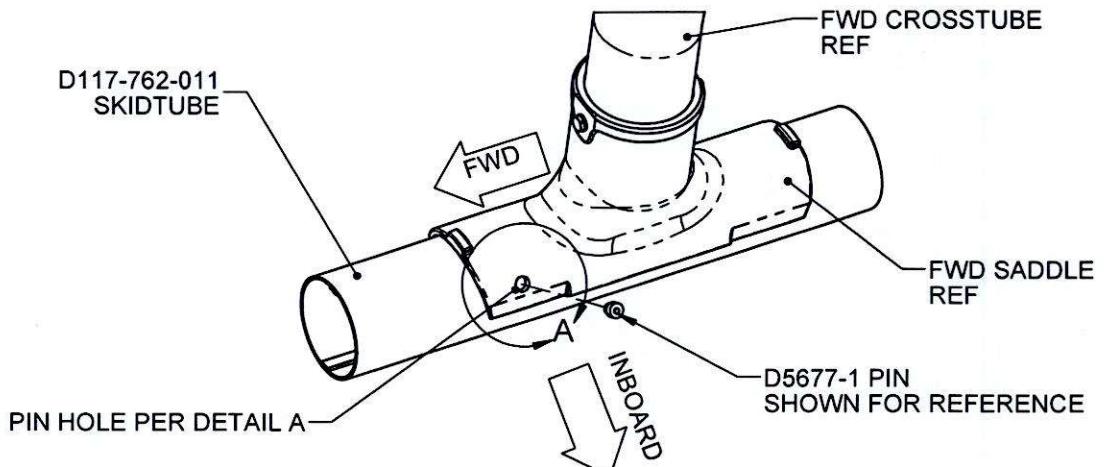
- 2.1 Pilot drill Ø0.125" (Ø3.2mm) through the forward saddle per Figure 1, Detail A of this Service Instruction.
- 2.2 Temporarily position and secure the fwd saddle onto the skidtube per Figure 1a of IIN-D117-762. Ensure the saddle is positioned correctly and that the skidtube will be vertical with weight on the landing gear. Transfer mark the pilot hole onto the skidtube, being careful not to damage the web inside the skidtube when drilling.
- 2.3 Remove skidtube and open the saddle hole to Ø0.516" (Ø13.1mm). Open the hole in the skidtube to Ø0.386" (Ø9.8mm). Deburr holes and touch up with chemical film (Alodine 1200) per MIL-DTL-5541.
- 2.4 Continue the installation of the skidtube per Step 3.1.3 of IIN-D117-762 or Step 32.2.4 of ICA-D117-762. However, ensure the D5677-1 Pin is installed under the clamps as shown in Figure 1 & 2 of this Service Instruction. Seal the surface between the pin and the skidtube using a sealant per Section 2.0 of IIN-D117-762.

## 3.0 RE-INSTALLATION OF D117-762-011 AT CHG 006 OR LATER

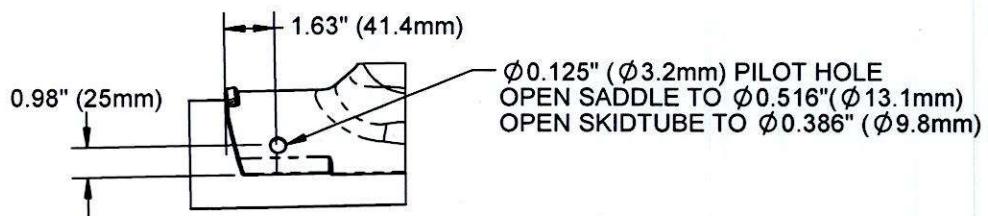
When re-installing the D117-762-011 Skidtube Installation per Section 32.2 of ICA-D117-762, ensure a D5677-1 Pin is installed under the clamps per Figure 1 & 2 of this Service Instruction. Seal the surface between the pin and the skidtube using a sealant per Section 2.0 of IIN-D117-762.

APPROVED

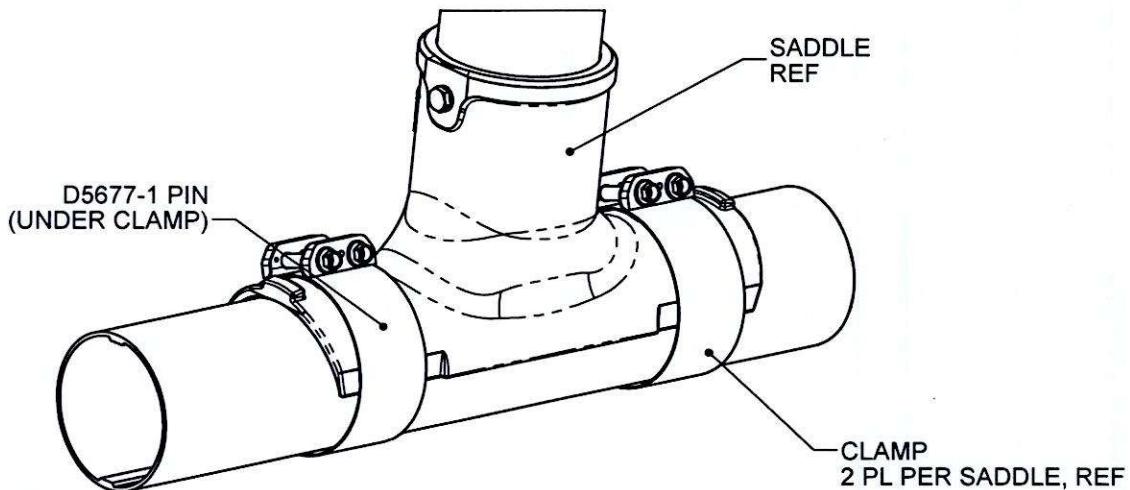
A	NEW ISSUE		SAD	21.07.16		
REV.	DESCRIPTION		BY	DATE		
DESIGN	SAD	DART AEROSPACE USA, INC. HILLSBORO, OR				
DRAWN	SAD	DRAWING NO. DSI 9857				
CHECKED	HE	REV. A SHEET 1 OF 3				
MFG. APPR.	SAD	TITLE				
APPROVED	CP	ANTI - ROTATION KIT				
DE APPR.	DS <i>[Signature]</i>	NTS				
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**FIGURE 1 - DRILLING DETAIL**



**DETAIL A - HOLE LOCATION**



**FIGURE 2 - D5677-1 PIN INSTALLATION**

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	MFG. APPR.	SAD	DSI 9857	SHEET 2 OF 3
	APPROVED	CP	TITLE	SCALE
	DE APPR.	DS <i>[Signature]</i>	ANTI - ROTATION KIT	NTS
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#### **4.0 INSTALLATION OF DSI 9857-011 ANTI-ROTATION KIT**

To install the Anti-Rotation Kit on D117-762-011 Skidtube Installations at CHG 005 or earlier:

- 4.1 Remove the skidtube(s) per Section 32.1 of ICA-D117-762.
- 4.2 Reinstall the skidtube(s) per Section 32.2 of ICA-D117-762 and Section 2.0 of this service instruction.

#### **5.0 PARTS LISTS**

D117-762-011 Skidtube Installations @ CHG 005 or earlier can be modified with DSI 9857-011 Anti-Rotation Kit. Qty(1) kit contains enough pins to modify qty(2) skidtubes.

QTY -011	P/N	DESCRIPTION
X	DSI 9857-011	ANTI-ROTATION KIT
2	D5677-1	PIN

Amend the parts list of IIN-D117-762 Section 5.1 and ICA-D117-762 Section 32.17 as follows:

ITEM	QTY -011	QTY -041	P/N	DESCRIPTION
	X		D117-762-011	SKIDTUBE INSTALLATION
1	X		D117-762-041	REPLACEMENT SKIDTUBE
	1		D5677-1	PIN (ADD)

#### **6.0 WEIGHT AND BALANCE**

This change has no effect on Weight and Balance.

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